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Liquid crystal composition and liquid crystal display using said composition.

© Liquid crystal compositions and display devices using the compositions are disclosed. The compositions contains, as main components, at least one compound of the general formula (II), and at least one compound of the general formula (III), or as well as the above components, at least one compound selected from the compounds of the general formulas (III), (IV) and (V), and/or at least one compound of the general formula (VI).

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General Formula (I): 
$$R^{1}-0-(CH_{2})_{n} \longrightarrow CN$$

General Formula (II):  $R^{3}$ 
 $R^{2} \longrightarrow CN$ 

General Formula (III):  $CH_{3} \cap CH_{2} \longrightarrow R^{4}$ 

General Formula (IV):  $R^{6} \longrightarrow CN$ 

General Formula (V):  $R^{6} \longrightarrow C \equiv C \longrightarrow R^{9}$ 

General Formula (VI):  $R^{18} \longrightarrow CN$ 

(wherein all the symbols are as defined in the appended claims).



## EUROPEAN SEARCH REPORT

EP 90 10 7367

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages			Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)
P,X,P,Y	EP-A-0 360 080 (CHISSO CORPORATION)  * page 2, line 6 - line 7 ** page 2, line 35 - line 48 @ page 5, line 42 - line 49 @ page 7, line 37 - line 43 @ page 8, line 20 - line 30 ** page 9, line 30 - line 35; examples 4,5,12-18 EP 90107367030** claims *			1,9,12,13, 17,1,3,5, 7,9-18	C 09 K 19/30 C 09 K 19/42
Υ	EP-A-0 258 868 (CHISSO CORPORATION)  * page 2, line 6 - line 8 ** page 3, line 40 - page 4, line 32 ** page 5, line 8 @ page 5, line 35 @ page 5, line 43 @ page 6, line 26 ** page 6, line 40 - line 46 EP 90107367030@ page 8, line 51 - line 54 @ examples 1-3,5,7-9 ** claims *		page @	1,3,5,7, 9-18	
Υ	EP-A-0 281 065 (CHISSO CORPORATION)  * page 3, line 45 - page 4, line 22 ** page 3, line 33 - line 43  * * examples 1-7 ** claims 1,3,4 *			1,3,5,7, 9-18	
P,Y	WO-A-8 905 846 (CHISSO CORPORATION) & EP-A-364 588 (CHISSO CORPORATION)  * page 4, line 11 - line 24 * * page 6, line 24 - page 8, line 15  * * page 9, line 6 - page 10, line 2 @ examples @ claims			1,3,5,7, 9-18,1,3, 5,7,9-18	
	1-6,9,10 * — -				TECHNICAL FIELDS SEARCHED (Int. Cl.5)
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			ion of search		Examiner
The Hague 28 August 9  CATEGORY OF CITED DOCUMENTS  X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same catagory  A: technological background O: non-written disclosure P: intermediate document			1 PUETZ C.  E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons  &: member of the same patent family, corresponding document		